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THE CRYSTAL STRUCTURE OF  
LIGANDED MALTODEXTRIN-  
BINDING PROTEIN FROM  
PYROCOCUS FURIOSUS

**Characteristics**

Release Date: 19-Jan-2001 Exp. Method:

Resolution: 1.85 Å

**Classification**

Sugar Binding Protein

**Compound**

Polymer: 1 Molecule: MALTODEXTRIN  
Protein Chains: A

Polymer: 2 Molecule: SUGAR (GLC-GLC)  
Evdokimov, A.G., Anderson, E.D., F  
K.M., Waugh, D.S.

**Authors**

☒ 1g9u



CRYSTAL STRUCTURE OF YOPM-  
LEUCINE RICH EFFECTOR PROTEIN  
FROM YERSINIA PESTIS

**Characteristics**

Release Date: 10-Oct-2001 Exp. Method:

Resolution: 2.35 Å

**Classification**

Toxin

**Compound**

Polymer: 1 Molecule: OUTER PROTEIN  
Chains: A

Evdokimov, A.G., Anderson, D.E., F  
K.M., Waugh, D.S.

**Authors**

☒ 1huf



CRYSTAL STRUCTURE OF THE N-  
TERMINAL DOMAIN OF THE  
TYROSINE PHOSPHATASE YOPH  
FROM YERSINIA PESTIS

**Characteristics**

Release Date: 23-May-2001 Exp. Method:

Resolution: 2.00 Å

**Classification**

Hydrolase

**Compound**

Polymer: 1 Molecule: TYROSINE PHOSPHATASE  
YOPH Fragment: N-TERMINAL DOM/

EC no. 3.1.3.48

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**Authors** Evdokimov, A.G., Waugh, D.S.

☒ 1hy5



CRYSTAL STRUCTURE OF THE CATALYTIC DOMAIN OF YOPE, YERSINIA PESTIS GAP EFFECTOR PROTEIN



**Characteristics** Release Date: 06-Feb-2002 Exp. Method: Resolution: 2.25 Å

**Classification** Toxin

**Compound**

Polymer: 1 Molecule: YERSINIA PESTIS VIRULENCE PROTEIN YOPE Fragment TERMINAL DOMAIN (RESIDUES 90-BACTERIAL GTPASE ACTIVATING F (GAP DOMAIN) Chains: A,B

**Authors**

Evdokimov, A.G., Tropea, J.E., Rou K.M., Waugh, D.S.

☒ 1j5



Novel Molecular Architecture of YopM-a Leucine-rich Effector Protein from Yersinia pestis



**Characteristics** Release Date: 10-Oct-2001 Exp. Method: Resolution: 2.10 Å

**Classification** Toxin

**Compound**

Polymer: 1 Molecule: outer protein YopI

**Authors**

Evdokimov, A.G., Anderson, D.E., F K.M., Waugh, D.S.

☒ 1k6z



Crystal Structure of the Yersinia Secretion Chaperone SycE



**Characteristics** Release Date: 31-Oct-2001 Exp. Method: Resolution: 2.00 Å

**Classification** Chaperone

**Compound**

Polymer: 1 Molecule: Type III secretion SycE Chains: A,B

**Authors**

Evdokimov, A.G., Tropea, J.E., Rou K.M., Waugh, D.S.

☒ 1lvb



CATALYTICALLY INACTIVE TOBACCO ETCH VIRUS PROTEASE COMPLEXED WITH SUBSTRATE



**Characteristics** Release Date: 27-Nov-2002 Exp. Method: Resolution: 2.20 Å

**Classification** Viral Protein

**Compound**

Polymer: 1 Molecule: CATALYTIC DOM NUCLEAR INCLUSION PROTEIN A (Mutation: C151A Chains: A,B

Polymer: 2 Molecule: OLIGOPEPTIDE : FOR THE PROTEASE Chains: C,D

**Authors**

Phan, J., Zdanov, A., Evdokimov, A J.E., Peters III, H.K., Kapust, R.B., M., Wlodawer, A., Waugh, D.S.

☒ 1lvn

CATALYTICALLY ACTIVE TOBACCO  
ETCH VIRUS PROTEASE COMPLEXED  
WITH PRODUCT

**Characteristics**

Release Date: 27-Nov-2002 Exp. Method:

Resolution: 1.80 Å

**Classification**

Viral Protein

**Compound**

Polymer: 1 Molecule: CATALYTIC DOM  
NUCLEAR INCLUSION PROTEIN A (

Fragment: Residues 1-221 Mutation: S2

Chains: A,B

Polymer: 2 Molecule: OLIGOPEPTIDE I  
FOR THE PROTEASE Fragment: Res

310 Chains: C,D

Polymer: 3 Molecule: CATALYTIC DOM  
NUCLEAR INCLUSION PROTEIN A (

Fragment: Residues 230-236 Chains: E

**Authors**

Phan, J., Zdanov, A., Evdokimov, A.  
J.E., Peters III, H.K., Kapust, R.B.,  
M., Wlodawer, A., Waugh, D.S.

☒ 1lyv

High-resolution structure of the  
catalytically inactive yersinia  
tyrosine phosphatase C403A mutant  
in complex with phosphate

**Characteristics**

Release Date: 03-Jul-2002 Exp. Method:

Resolution: 1.36 Å

**Classification**

Hydrolase

**Compound**

Polymer: 1 Molecule: PROTEIN-TYROS  
PHOSPHATASE YOPH Fragment: PT

domain Mutation: P163M,C235R,C403

EC no: 3.1.3.48

**Authors**

Evdokimov, A.G., Waugh, D.S., Ro  
K., Tropea, J., Cherry, S.

☒ 1orj

FLAGELLAR EXPORT CHAPERONE

**Characteristics**

Release Date: 16-Sep-2003 Exp. Method:

Resolution: 2.25 Å

**Classification**

Chaperone

**Compound**

Polymer: 1 Molecule: flagellar protein F1

Chains: A,B,C,D

Evdokimov, A.G., Phan, J., Tropea,  
J.E., Routzahn, K.M., Peters III, H.  
M., Waugh, D.S.

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